

Cracklin' Static

April 2021 Edition



**Zoom Virtual
meeting this
month See page
4....**

SNARS NET on DMR – Tuesday 8pm
DMR Talk Group: 31328 SNARS

SNARS Treasury Closing Balances As of 3/28/2021

Operating	\$8,120
Savings	\$11,202
Self Insurance	\$10,679
PayPal	\$1,532
Convention	\$4,295

Total	\$35,828
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Net Monthly	\$863
Net YTD	\$867

Membership Renewals	22
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SNARS Membership as of

Extra	161	36%
General	146	33%
Technician	118	27%
Advanced	16	4%
No License	0	0%
License Expired	2	0%

Total	443
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SNARS ARRL Members

Regular	252	57%
Life	42	9%

PRESIDENT'S VOICE

President John Byerly, N7ROJ

Email: mtnlion@gmail.com



Hello Everyone!

Spring seems to have sprung in typical Nevada fashion. We have beautiful weather one day, and snow the next. Always makes for a good time. I am already eyeing some outdoor QRP/SOTA activations for the first time officially. I'm excited to give it a try.

The biggest thing I want to highlight this month is the upcoming LIVE, IN PERSON SNARS field day effort at Washoe Lake State Park. It will be a great time to enjoy some freedom in a relaxed environment outdoors.

Our Field Day chairman, Jim W6US will be talking about field day soon. Please consider helping in some way, operating, or coming by for a while. Whatever works for you and your situation. I am ready to have some FD fun after last year's backyard socially-distanced operations. Jim was at the park offices on the morning they opened the reservations so that we could have the best spot! BZ W6US! (BZ is old sailor talk for WELL DONE)

Mark your calendars, get your gear and your rear out to Washoe Lake! Stay tuned for more information.

Any and all volunteering and help that can be given to field day, and the running of the club in general is greatly appreciated! I say this all the time, this is YOUR club. The board members and staff members do all they can, but keep in mind we are volunteers too, and a helping hand is always welcomed.

See you on the next members meeting or on Ham Radio Night!

Until then, I wish you all health and good DX!

73 DE N7ROJ/John



PO BOX 7727 Reno NV 89510
 Yearly Dues: \$40.00 Individual • \$50.00 Family
 775.453.4142 <http://snars.org>

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 Secretary.....Anthony Marcin, W7XM
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 DirectorJim Shepherd, W6US
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Cracklin Static Publication

Editor: Howie Holden WB2AWQ - holden7471@msn.com

Cracklin' Static is the Newsletter of, and sponsored by the Sierra Nevada Amateur Radio Society. Published the week before meetings. Opinions expressed herein are those of the editors and contributors and should not be considered as official expressions of the Club Officers, Staff or Club Members, or as endorsements by same.

Material for publication may be edited to enhance readability or to save space. We reserve the right to use whatever font size, line spacing or other tools as may be required to publish this Newsletter. **Deadline for input to the newsletter is 1500 hours on the Sunday** prior to the 1st Saturday of each month.

SNARS Wide Area Linked System

147.030 + PL 123.0	Sparks, Fernley, Fallon	Online
147.210 + PL 100.0	Reno, Sparks	Online
147.150 + PL 123.0	Lake Tahoe, Truckee, Carson	Online
146.925 - PL 123.0	Lovelock, Fallon	Online
146.670 - PL 123.0	Winnemucca	Online
444.875 + PL 100.0	Yerington	Online
444.125 + PL 123.0	Reno Sparks	Offline

DMR Systems

444.925 + CC 1	Reno, Sparks	Online
444.825 + CC 1	Dayton, Fallon, Carson	Online
443.925 + CC 1	Lake Tahoe, Truckee, Carson	Online
443.950 + CC 1	Incline Village	Online
442.875 + CC 1	Sparks, Fernley, Fallon	Online
442.850 + CC 1	Downtown Reno	Online
441.950 + CC 1	Fallon, Fernley	Offline

Fusion Systems

146.610 - PL 123.0	Reno, Carson, Dayton	Online
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IRLP / EchoLink Systems

147.300 + PL 123.0	Reno, Sparks	Online
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Packet / APRS

145.050 - RNO	Reno, Carson, Dayton	Online
145.050 - ROSE	Lake Tahoe, Truckee, Carson	Online
144.390 - TOULON	Lovelock, Fallon	Online

Standalone Systems

147.390 + PL 100.0	Reno, Carson, Dayton	Online
443.075 + PL 123.0	Reno, Carson, Dayton	Online
927.0875 + PL 114.8	Reno, Carson, Dayton	Online



Online



Offline



Not Linked

Thank you to our Sponsors/Supporters



Weekday on the SNARS Linked System

147.030 + PL 123 – Sparks/Fernley
 147.150 + PL123.0 – Lake Tahoe / Truckee
 147.210 + PL 100.0 - Reno
 444.875 + PL 100.0 - Yerington
 146.925 - 123.0 – Lovelock / Fallon
 146.67 – PL 123.0 - Winnemucca

Monday through Friday @ 12:00pm

Open to all amateur radio operators. A general informational net for the amateur radio community of Northern Nevada and Eastern California. Radio Checks and Questions are welcomed.

Nets on the SNARS Linked Systems

147.210 + 100.0 | 147.030 + 123.0 | 147.150 + 123.0
 147.670 – 123.0 | 146.925 – 123.0 | 444.875 + 100.0

ERC Net for NV and Northern CA	Monday @ 9:15pm
N. Western NV ARES Net	Thursday at 7:30pm
Northern Nevada Preppers Net	Wednesday @ 8:00PM
Hospital Net	Friday @ 10:00AM

Nets on IRLP (GSR) System

Repeater: 147.300 + 123.0

Amateur Radio Newslane	Monday - 8:00PM
Nevada Skywarn Net	Wednesday - 7:00pm
Nevada State ARES Net	Thursday - 7:00PM

Nets on Simplex/HF

Jefferson Noon Net	7.204 LSB	Daily - 12:00pm
6 Meter Net	50.350 USB	Tuesday – 8:00pm
2 Meter Weak Signal	144.250 USB	Wednesday - 8:00PM
2 Meter Simplex Net	146.500 FM	Thursday – 8:00PM
10 Meter Net	28.350 USB	Sunday – 2:00PM

SNARS Weekly DMR Net – Tuesdays
 8:00PM

SNARS Talk Group 31328

Open to Members and Guests. A general information net each week on DMR.

SNARS CALENDAR

SNARS Board Meeting Wednesday, April 14,
 6:00PM Location and mode TBD

Ham Radio Exams Saturday, April 17, 9 AM to 12 Noon
 REOC, 5190 Spectrum Blvd Reno NV See:
<https://snars.org/exams/>

HAM RADIO NIGHT on Zoom April 19, 7:00 PM see
<https://snars.org/hamradionight/>

Next months SNARS Breakfast Meeting – May 1
Location and media mode tentative depending on Board decision and local restrictions.

WELCOME NEW MEMBERS

AS OF 3-28-21

Alan	Muir	K7PMT
DJ	Sandler	KD6JIX
David	Christensen	K7AGS
Thomas	Martes	KJ7VGL
Matthew	Smith	KJ7VFK
Christopher	Bloom	KJ7VFX
Daniel	Landon	KJ7VGZ
John	Stilwell	KJ7UZN
Paul	Warner	KN6MZT
Megan	Sullivan	KJ7VFH
Alan	Varner	KJ7VGT
Ralph	Brazil	KJ7VGP
Kory	Linn	KJ7VFF
Joshua	Malaer	KJ7VGX
Timothy	Leonard	KK7TLL
Jack	Riggsbee	K7AJR
Randy	Hartwig	K7ZTF

SNARS Virtual Monthly Meeting

SNARS (virtual on zoom conferencing) Monthly Meeting on
Saturday 4-3-21 8:00a PST

**TOPICS: 7QP PREP AND
FIELD DAY OPERATIONS**



TO REGISTER go to:

https://zoom.us/meeting/register/tJMqd-ChrT8pH9NWQciWzLfIHxdaOkTEcA_a

Any questions, email Barry k6st@arrrl.net

THE NAME OF THE GAME

Jim Shepherd, W6US nvjims@gmail.com

TRANSVERTERS

Do you realize that every ham has access to at least 21 different bands and all the spectrum above 275 GHz???? Yes, Generals and Extras have a few more bands, but most Technicians seem to think they are limited to 2 meters and 70 centimeters... That number is about to lose one band allocation, the area of 3.3 to 3.5 GHz, due to low usage and other commercial users wanting it.

Currently we have repeaters in this area up to the 1.3 GHz band which is served by a repeater on Slide Mountain. The club also has a repeater in the 900 MHz band on Davidson that sees very little use.

Part of the problem is that there is a lack of multi band ham gear available to work on these bands. Above the 23 cm band, there are currently no commercial ham radios being sold... So how do you get on these frequencies? That is where transverters and home brew radios come into the picture.

Transverters are radios that downconvert these higher bands down usually to our 10 meter band. You then use the 10 meter radio to do the tuning and final translation to audio or digital signals that we need to use the radios. Most modern HF radios have special connections and settings to be able to use the transverters.

There are several manufactures that make transverters for most of the bands. Probably the best known is Down East Microwave Inc, (DEMI), that makes units for the bands up to 10 GHz. They have fully assembled and tested units as well as kits to build your own.



They are also working on developing some units for higher bands at this time. They also have units to allow you to expand your HF rig to use 6m to 70cm for those of you who do not have all mode radios on these bands.

Kuhne Electronics out of Germany makes transverters that will go up

to the 47 GHz band. That unit puts out a whopping 30 milliwatts of power, but a meter sized dish at those frequencies will have about 30 Db of gain, which will give you a respectable amount power. They also have a 1 watt power amplifier if you are trying to set new distance records.



There are several others who have limited websites for information as well as some new SDR units coming on to the market. Then there is the DIY solution for getting on the microwaves.

Now that the ARRL has allowed all members access to the digital version of QEX, you can search out construction articles for transverters and stand alone microwave radios. There are a number of websites like the San Bernardino Microwave Society (<http://www.ham-radio.com/sbms/>) which have lots of information on equipment and operation in our upper bands.

Another band that is virtually ignored by Technicians is the 6 meter VHF band. With most HF radios coming with this band installed, it is easy to get on the 'Magic Band' which has characteristics of both HF and VHF. There are a couple of local 6m repeaters, but the biggest attraction this time of year is the Sporadic E propagation that can get you across the country and even into DX countries. The sunspot numbers are climbing as we start a new cycle and coupled with the annual spring/summer enhancement of the propagation can lead to a lot of fun on the radio. Both vertical and beam antennas are readily available, and wire antennas are easy to make and small enough to 'hide' even in HOA neighborhoods.

I got my start on contesting in the June VHF contests back when I was a Technician. There was no advantage to being a General or Extra to use these VHF/UHF bands and I had a couple of First Place finishes for these contests here in Nevada back in those days by getting on top of a mountain with a temporary antenna, a couple of deep cycle batteries, and a solar panel.

Give the 'other' Technician bands a try for lots of on-the-air fun. By the way, if you do get an HF rig to be able to do 6 meters, don't forget the 10 meter band for SSB and all the keyboard digital modes. Another dirty little secret is that you can be on parts of the 80, 40 and 15 meter bands using a computer to send and receive CW without having to know any Morse Code... ***(Editor's note: Just be careful to get on a QSO with someone who's using either another computer for CW or a keyer. Many computer programs will not copy hand key-sent or bug-sent CW very well. Additionally, many good ops—like myself—will slow waaay down for a CW beginner! WB2AWQ)***

MIKE'S MISSIVES CHAPTER FIFTY FIVE

Mike Katz, N7MSK

FCC Part 97 Subpart B—Station Operation Standards

§97.101 General standards.

- (a) In all respects not specifically covered by FCC Rules each amateur station must be operated in accordance with good engineering and good amateur practice.
- (b) Each station licensee and each control operator must cooperate in selecting transmitting channels and in making the most effective use of the amateur service frequencies. No frequency will be assigned for the exclusive use of any station.
- (c) At all times and on all frequencies, each control operator must give priority to stations providing emergency communications, except to stations transmitting communications for training drills and tests in RACES.
- (d) No amateur operator shall willfully or maliciously inter-

fere with or cause interference to any radio communication or signal.

§97.103 Station licensee responsibilities.

- (a) The station licensee is responsible for the proper operation of the station in accordance with the FCC Rules. When the control operator is a different amateur operator than the station licensee, both persons are equally responsible for proper operation of the station.
- (b) The station licensee must designate the station control operator. The FCC will presume that the station licensee is also the control operator, unless documentation to the contrary is in the station records.
- (c) The station licensee must make the station and the station records available for inspection upon request by an FCC representative.

SHORT TAKES (By Jim Shepherd W6US)

CONTEST CALENDAR

The State QSO Party season with 8 more states this month. Louisiana and Mississippi are having their parties on April 3-4; Nebraska, New Mexico, Georgia, and North Dakota are having theirs on April 10-11; Michigan is on the 17th -18th; and Florida will wrap up the busy month on 24th-25th. The information for all of these are at <https://www.contestcalendar.com/stateparties.html> In addition to the State contests, there are a bunch of Parks on the Air contests throughout the month. The ARRL SSB Rookie Roundup is on April 18 and is a good time to give contesting a try! You can get the full information about these and other contests at:

<https://www.contestcalendar.com/contestcal.html>

DX

There are lots of other stations who might be on the air from their home QTH operating as they are in the same situation that we are with Covid19. There are some operations starting to pick up. International travel is still impacted, so announced expeditions are very few... More information can be found at:

<https://www.ng3k.com/Misc/adxo.html>

THIRD MONDAY ZOOM HAM RADIO NIGHT

We will see our popular Ham Radio Nights via ZOOM to get your questions answered. It will be held at 7pm on Monday, April 19. More information, including the link will be published before that date.

NAME THAT RIG

(Answer on page 9)



YOUTH INVOLVEMENT

UNR AMATEUR RADIO CLUB GETS INTO DMR DIGITAL VOICE MODE

Quite a few members of the UNR Amateur Radio clubs are beginning to get into DMR which allows them to talk around the world with their HT's and base radios.



The students are flourishing in the ham radio hobby. A special thanks the SNARS members that are donating equipment and their time to elmer the members of this college radio club.

Any questions, contact Barry K6ST - k6st@arri.net

Nevada Section Youth Coordinator

SNARS (MONTHLY) ZOOM HAM RADIO TECH NIGHT



Our third ELMER+ Ham Radio Night 2021 on 3-15 was a great success!

The topic smaller breakout groups will be:

Solar Power

Analog VHF/UHF

DMR/Fusion

APRS: Automatic Packet Reporting System

Each participant can move themselves around to different breakout topics in zoom conferencing to enjoy.

If you have any questions or would like to be of service as an Elmer, please contact K6ST Barry k6st@arri.net

Feel free to register for our next Ham Radio Tech Night, SNARS (virtual on Zoom conferencing) 4-19-2021 7:00p PT

<https://zoom.us/join/join/join/register/tJwocOquqzkiGdLBGWIIVvVgLFPAQYtxOOL>

7TH AREA QSO PARTY

The 7QP is an amateur radio QSO party, held annually on the first Saturday in May. That's May 1 this year. The stations of the US 7th call area (Arizona, Idaho, Montana, Nevada, Oregon, Utah, Washington, and Wyoming) become "the pursued", and the rest of the US, Canada and the world tries to work as many of us here in the 7th call area, on as many bands/modes as possible, over an 18-hour period commencing at 6:00am PDT (1300 UTC). 80 or 40 are the best in the early morning and night while 20 and 15 will get the most contacts during the day—if 10 opens, consider that a bonus!

Operate from home, mobile, or dust off the Field Day gear and get on the air from a rare county or a county line where you can operate from two or more counties at once and get extra points! There are 54 multi county locations in Nevada not counting the stateline locations with the other 7th area states. Please plan on making a few or a whole bunch of contacts, just be sure to mark May 1 on your calendar!

If you are looking to work the world from a very wanted county, plan an expedition to Humboldt, Lander, Elko, Eureka, Humboldt, and White Pine counties. Most of the rest of the other counties will have one or 2 hams signed up but always could use some more. There are 3 ways to make contacts, SSB contacts count 1 point, CW count 2 points and Digital (PSK31 and RTTY) count 4 points. This shows a real need for CW and Digital operators in all counties who want to make the big points!!! If you plan to participate, even for a little while, please do two things. First, you can see the activity on the [Planned Operations](#) tab on the



7QP page. Then, send your projected operation location(s) to www.7qpops@codxc.org with a cc to nvjims@gmail.com giving them information on modes and if you will be a mobile (rover) station. That way we can track the counties that will be covered and we can try to find someone to go out to the counties that are not. Even if the county is covered, digital and CW operators are encouraged to also go out there... Second, email them a copy of your log when you are finished. Either Cabrillo (preferred) or a plain text format will work. Your log helps them score the contest and automatically enters you – no summary sheet required for Cabrillo or email entries. See their webpage for more information on uploading your log. Make sure your email address is in the Cabrillo header.

The exchange is easy... Just give a '59' signal report and if you are operating in the 7 call zone, your county code. For Washoe, it is NVWAS, for Storey, it is NVSTO... On SSB, please give that exchange phonetically, it really helps the operator on the other end. If you are outside of the 7 call zone, you give a '59' signal report and your 2 digit state abbreviation. There are special rules for county line stations, and you may get a report from one of the eastern states that are also having a QSO party. See the complete rules on their website at <http://ws7n.net/7qp/new/Page.asp?Content=start> for more information and a full list of county abbreviations.

W7SSB's FUN STUFF

MARS COMPETITION

There was a national MARS competition on March 18-20th that I thought might be of interest to all. For those that don't know about MARS - The Military Auxiliary Radio System (MARS) is a United States Department of Defense sponsored program, established as a separately managed and operated program by the **United States Army**, and the **United States Air Force**. The United States Navy-Marine Corps program closed in 2015.

We were contacted (Chameleon Antenna) by a CWO2 at Ft. Irwin in California about supplying antennas for their operating stations. This was a good chance to have many of our antennas put in a hostile environment (desert). We supplied half a dozen antennas for their use. The weather conditions were cold and windy for the 2-1/2 day event. Winds gusting 40 -45 MPH with blowing sand.



Not fun operating outside the whole time but good for testing antennas!

I've attached some pictures and you can see an Icom IC 705 on the operating table. They also used a Xiegu G90 and Harris PRC 150 and 160 transceivers.



Now back to the contest - over 300 stations, Canadian MARS, DOD, Army and Navy stations all over the country, running 24/7.

Unlike the amateur radio contests the MARS competitions have stations that purposely jam and create QRM. This simulates Chinese and Russian jamming. It is also a great training opportunity for the

operators.

One of the problems the military has is trained radio operators? Nobody wants to read the manual and be trained on how to use the equipment.

The users are appliance operators and have problems as in amateur radio learning how to operate the equipment. Most operators don't know how to use the new Harris PRC 160 and would rather use the older PRC 150 which is easier to use. Everyone is looking for plug and play, the simpler the better.



I have more videos and antenna use results if anyone is interested.

<https://drive.google.com/drive/folders/1Rtl3-Uq3pAATgLANw403uOcCbBM9eRH9?usp=sharing>

73, Don W7SSB

FUN STUFF FOR APRIL

April has just one ARRL/NCJ sponsored contest, shown in **BOLD**, but there are 8 (count 'em) state QSO parties: all listed here, plus one Canadian Province QSO party. So get on the air and give the state QSO guys some contacts.

3 Apr 1400 to 4 Apr 0200 1.8-144 Louisiana QSO Party CW Dig Ph
www.lagp.louisianacontestclub.org

3 Apr 1400 to 4 Apr 0200 1.8-144 Mississippi QSO Party CW Ph Dig
www.arrlmiss.org

10 Apr 0700 to 11 Apr 1300 1.8-28 JIDX CW Contest CW
www.jidx.org/jidxrule-e.html

10 Apr 1300 to 11 Apr 2200 1.8-UHF Nebraska QSO Party CW Ph
www.nebraskaqsoparty.org

10 Apr 1400 to 11 Apr 0200 1.8-144 New Mexico QSO Party CW Ph Dig
www.newmexicoqsoparty.org

10 Apr 1600 to 11 Apr 0400 1.8-28 Georgia QSO Party CW Ph RST, GA county or SPC
www.gaqsoparty.com

10 Apr 1800 to 11 Apr 1800 1.8-144 North Dakota QSO Party CW Ph
www.ndarrlsec.com

17 Apr 1600 to 18 Apr 0400 3.5-28 Michigan QSO Party CW Ph
www.miqp.org/Rules.htm

17 Apr 1800 to 18 Apr 1800 1.8-144 Ontario QSO Party CW Ph
www.va3cco.com

18 Apr 1800 to 18 Apr 2359 3.5-28 ARRL Rookie Roundup, SSB Ph
www.arrl.org/rookie-roundup

24 Apr 0001 to 25 Apr 2359 28 10-10 International Spring Contest, Digital
www.ten-ten.org

24 Apr 1600 to 25 Apr 2159 7-28 Florida QSO Party CW Ph
www.floridagsoparty.org/rules

For full details, visit the websites, and for other contests see:
<http://www.arrl.org/files/file/Contest%20Corral/2021/April%202021%20Corral.pdf>

If you're not into contests, there's always DX to chase! We're still seeing the effects of Covid-19, and the pickin's are slim but slowly improving. I'll list all that's on the calendar, until the stack improves! Maldives and Marshall Isl aren't bad, Surinam and Svalbard, eh! but it's what we've got!

Mar28 to Apr10	Maldives	8Q7MS
Apr01 to Apr01	Marshall Is	KH9
Apr17 to Apr18	Surinam	PZ5JW
Apr26 to May09	Svalbard	JW6VDA

Check <https://www.ng3k.com/Misc/adxo.html> for updates on DXpeditions to make sure they're still a go!

SNARS - Sierra Nevada Amateur Radio Society, Inc—<http://snars.org>

RENO QRP SLOW SPEED CW NET

NEXT NET SESSION WILL BE April 8, 11 AM.. Target frequency is 7.045 MHz, if busy search somewhere near that frequency.

**THE FOLLOWING SHOULD ALWAYS BE IN YOUR REPORT
NAME ,RST, LOCATION, RIG, POWER, ANTENNA.
REMEMBER TO INCLUDE RST IN YOUR REPORT.**

Feel free to add something else in your exchange.

Take some time to report RST for other OP's or anything else that comes to mind.

Sharing information about you and your equipment will accomplish two things.

First It gives you and everybody else practice sending and copying.

Second It is nice to spend time on the air with your friends. Consider this a QRP meeting on the air.

Relax and have some airtime fun with your friends.

73/72 Ed/WD7Y

WA7IRW SK

Greg Roush WA7IRW, long time SNARS member who was instrumental in setting up the landline telegraph display in Carson for NV150 Day in 2014 passed away Monday, March 29.

NAME THAT RIG (from page 6)

In 1987, a company named **Advanced Receiver Research** came out with two microwave transceivers, one for the 10 GHz and the other for 24GHz Amateur bands. The unit shown here and on page 6 is the model **TR10GA**. Unlike the transverters in Jim Shepherd's W6US article, these units were the whole deal, a complete transceiver, using the then-popular Gunn Diode technology (commonly called a Gunnplexer) to generate and receive signals in the microwave region. The IF frequency of these units was 30 Mhz, to minimize image problems. These units were pretty low power, from 10 to 100 milliwatts, depending on the band and options selected. The Gunnplexer/horn assembly on the rear end could be removed and operated remotely in a microwave dish for 30 dB or more gain, effectively giving 10 watts or more actual radiated energy, in a very concentrated beam. Gunn diodes are very low power devices, but are still used in things like traffic radar, some radio-astronomy receive applications, and test equipment. ARR made the TR10GA well into the 2000s, and they sold for about \$400.



The business end of the ARR TR10GA

ARES NEWS

FREE!!

An emergency communications & amateur radio conference to be **held online** April 10-11, 2021. Two days of training, talks, and information on emergency communications.

Theme: Disasters here, there, and everywhere – are we ready?

Headquartered in Seattle, **COMM ACADEMY** is two days of training and information on various aspects of emergency communications.

Organizations attending include:

Amateur Radio Emergency Services (ARES®)

Auxiliary Communications Service (ACS)

EOC Support Teams

Radio Amateur Civil Emergency Service (RACES)

Civil Air Patrol, Coast Guard Auxiliary

REACT

CERT

The annual event has continued to evolve by presenting keynotes and seminar tracks that engage beginners, intermediate and advanced users in technologies, served agency support, volunteer management, self-preparedness, and how volunteer and professional communications are used, adapted and improved. Additional opportunities including a select group of Vendor and Sponsors exhibiting capabilities and the Communications and Interoperability vehicle display have also been added over time.

All those interested in emergency and amateur radio communications are welcome. Learn, network, and share your experiences with others.

More info and to register: <https://www.commacademy.org/>

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Are you a camper? **July 18- 19 is the Tahoe Rim Trail.**

The TRT 100 Mile Back Country Run consists of three runs, a 100 Mile, 50 Mile and 55 K Run starting in Carson City, North along the East "Tahoe Rim Trail" and back to Carson City. The run starts at 0600 Saturday morning and ends at 1600 Sunday.

OUR MISSION:

To provide clear, concise communications between aid station captains and event coordinators. To expedite emergency communications between aid stations, event coordinators, net control and emergency responders. To ensure a safe and enjoyable event and to support the awareness and growth of Amateur Radio in the community.

If you like to camp-out, we could use your help. Even if you do not have a portable station, we need a **minimum** of 2 Hams per aid station.

Most aid stations require 4WD except the Diamond Peak aid station, in fact you could bring a camping trailer or RV.

If you cannot camp out, can you operate during the day, Saturday, or Sunday? You can drive in and out of Diamond Peak Aid Station?

If you do have camping gear but do not have 4WD you could be teamed up someone who does and ride with one of them.

START FINISH (NCS) Carson City, **Aid Stations:** Hobart, Bull Wheel, Tunnel Creek, Diamond Peak, Snow Valley Peak, Red House.

Bob WA6MTY is coordinating the event so come out and help this event to keep the runners safe.

If you have any questions, do not hesitate to call or email Me.

For more information email WA6MTY@gbis.com.

* * * * *

Mark your calendar 9/15-9/19 2021 is the schedule for the Reno Air Races unless it is cancelled because of COVID.

We help with security, checking passes of people going to the PITS which where the race teams prepare the planes for their races or checking passes of people going into the grandstands.

If you want FREE access to the Air Races, I have two options:

For full access to everywhere the public goes including free parking, help with 16 hours volunteer time and you will be able to **attend any time during the week**. Many times, we help with security the entire week so you can spread the 16 hours over several days.

The second option, for people that cannot put in 16 hours of volunteer time, volunteer four hours, you can get a **one-day pass**, full access to the race including parking.

Anyone over 18 can help, you do not have to be a Ham or a member of ARES.

Just contact me Bob WA6MTY and I will keep you up to date. Wa6mtty@GBIS.COM

Washoe County ARES Emergency Coordinator,

Bob Miller, WA6MTY WA6MTY@wcares.us Tel (775) 843-5952

KF7KTC's PHILIPPINES RELOCATION

The COVID-19 test was not as unpleasant as made out to be, and I received my test results in 18 hours. I was supposed to get a Bureau of Quarantine clearance certificate the next day, but it never came. Instead, the hotel actually issued me a release that I could present to local barangay (district) authorities, if needed. Meanwhile, Cecilia had informed the local barangay officials I would be arriving in the community, and then traveled to a community nearby to Quezon City, Antipolo, and awaited my release from isolation. I checked out of the hotel at 11:45AM, and was picked up by Cecilia about 40 minutes later. We drove to the North Luzon Expressway, and after a while turned off onto the old National Highway. We arrived at the farm a short while before 4:00PM.



At the farm I was required to maintain quarantine another 7 days, and not leave the farm. But there are age restrictions existing for those over 65 being in public, so I was not going out anyway.

In our province are about 2.2 million people, with the province being about 10 percent larger than Lyon County, Nevada. We have no active cases of COVID-19 in the province.

I have some radio station supplies here at the farm, but no setup done. I have not imported any of my radios yet, as I had enough red tape to get through just to be here. Buying any ham gear here is much more expensive than in the U.S., and legal used equipment is hard to find. There are fines or confiscation of any non-registered radios, and what appears to be a rather large black market for equipment. There are still Communist and Muslim insurgents in parts of the country (a ready market for good communication equipment), but for the most part the island of Luzon is free of such concerns. The large island of Mindanao is where most problems are, with most of the bad reports coming from there.

SNARS - Sierra Nevada Amateur Radio Society, Inc—<http://snars.org>

Life on the farm is fantastically good. We raise and grow a large part of our food. We are not raising any pig right now, having lost our herd to African Swine Fever in 2019. The virus is still persistent, and we can't afford to take a second major loss. We are looking at some way to create another "pay it forward" program for the local community, but haven't come up with any good ideas yet. Any suggestions are welcome.



Little Jon learns to work the farm

We look forward to any and all messages from fellow S.N.A.R.S. members, and can be reached by email for first contacts. Message us at KF7KTC@nevadalink.com, or at yaquipoet@gmail.com.



73,

Jon - KF7KTC and YL Cecilia



Board of Directors Meeting Minutes

March 10, 2021 - 6:00PM

At Chin Chin plus Zoom

1. Call to order and roll call at 6:00 PM

Board of Directors:

Anthony Marcin, W7XM	P	Barry Bettman, K6ST	P	John Miller, N7JDM	P
Bill Jones, AE7OX	P	John Byerly, N7ROJ	P	Wes Vick, KG7QXE	P
Jim Shepherd, W6US	P	Doug Edmondo, W7DBE	P		P

2. Approval of Minutes - Discussion/Action

The February 2021 Minutes were approved

3. Approval of Agenda - Discussion/Action

The March 2021 Agenda was approved

4. Reports

A. President's Report – John thought the March meeting was nice and had good attendance

B. Secretary Report – 444 members, all filings with the Secretary of State were completed

C. Treasurer – February 2021 End of Month, Operating: \$8,108, Savings: \$11,112, Self Insurance: \$10,499, Paypal: \$951, Convention: \$4,295. Net Monthly \$391 net YTD: \$3. Memberships 19, Monthly donations \$70. Donations year to date \$348 (Amazon \$69, Members \$270, Paypal \$9) Notes:

Transferred \$700 from PayPal to Operating.

Transferred \$180 from Operating to Self-Insurance.

Transferred \$90 from Operating to Savings.

Invoiced 5 members \$74 each for lower Peavine lease and power - \$370 (power \$240, lease \$130)

D. Technical Team- Issue with the Mt. Davidson connectivity, awaiting access to the site.

E. Control Operators / Trustee – No report

F. Events

1. Field Day – Initial article out this month on what we doing, Barry – if Jim wants a spot in April for 7qp and Field Day – Jim will get back with Barry. Barry to send Jim E-mail for member willing to help with food.
2. 7qp coming up
3. working minor change on NV QSO party to help with scoring.

G. Education & Youth Activities

1. Maybe do 7qp and Field Day in April at the next monthly meeting. Jim to check schedule.
2. Barry put items in newsletter for UNR club.
3. Discussion on sub pieces or break out rooms for Saturday meetings / Tech nights, APRS, Solar, generators, Digital, etc. Lots of discussion!

H. Noon Net - Noon Net Manager, K5NEV no longer a NCO.

5. Old Business

- A. Members Only Website – No News
- B. In person monthly meetings – No News
- C. “Ham Fest” type of events – Noted the SNARS main channel telegram post on the Silver Springs Ham Swap
- D. Field Day Status – working away – Wes, when to advertise on noon net – Jim, logistics first the end of March with operations help need ed later.

6. New Business

John B. To reach out regarding the 1.25m and 70cm repeaters being donated to the club. Also, Jim mentioned an Estate for potential do nations.

7. Board member and Public Comments

Jim Shepherd– Last weeks DX contest – 4 members of club sent in logs. Upcoming 7qp – trying to get more people out in the back county.
John Miller – Happy that events are starting up; Tahoe Rim Trail, Bike and Air Races.
Wes Vick – WA7IRW – Greg R., Board to send a card.
John Byerly – Happy about Saturday's engagement/discussion.
Barry Bettman – Wow on membership number, interest in beginning to learn CW class, volunteers coming out of the woodwork.
Tony Marcin – DMR repeater pick up from K7HDY in Fernley.
Bill Jones – Questions to Tony about our legacy E-mail provider and account limits/pricing. Put a button reminder on the home page for enrolling in Amazon Smile.
Doug Edmondo – No comments; conflict for May meeting but will type up the minutes if recorded.

8. Adjournment - Action

- A. Next Meeting: April 14, 2021. Location TBD
- B. Call For Adjournment.